

MidAmerican Energy Company
2016 Illinois New Prescriptive Measure Recommendations

Measure	Customer Class	Size Category	Qualifying Efficiency	Proposed Incentive	Result of Federal/State Standard/Code Change	Reason for Inclusion or Not in PY 2016	Other Utility Information
					Yes or No		
Lighting							
LED troffer fixture	NR	1' x 4' fixture 18W to 98W	Must be Design Lights Consortium (DLC) qualifying products list replacing T-8/T-12 fluorescent fixtures or new construction. Replacement troffers must replace like fixtures; for example, a 2x2 must replace a 2x2.	\$70	No	Custom review in 2015	AEP Ohio \$0.35 /watt reduced with controls, \$0.27 /watt reduced without; Rocky Mountain Power - No cents/kWh but Custom is \$0.15/kWh; Ameren IL - \$0.20/W reduced. Xcel MN has 1 x 4 troffer rebates.
Retrofit kit for LED troffer fixture	NR	1' x 4' retrofit kit, 19W to 59W	Must be Design Lights Consortium (DLC) qualifying products list replacing T-8/T-12 fluorescent fixtures or new construction. Replacement troffers must replace like fixtures; for example, a 2x2 must replace a 2x2.	\$50	No	Custom review in 2015	AEP Ohio \$0.35 /watt reduced with controls, \$0.27 /watt reduced without; Rocky Mountain Power - No cents/kWh but Custom is \$0.15/kWh; Ameren IL - \$0.20/W reduced.
LED wrap fixtures	NR	4' fixtures, 12W to 82W	Must be Design Lights Consortium (DLC) qualifying products list replacing T-8/T-12 fluorescent fixtures or new construction.	\$70	No	Custom review in 2015	AEP Ohio \$0.35 /watt reduced with controls, \$0.27 /watt reduced without; Rocky Mountain Power - No cents/kWh but Custom is \$0.15/kWh; Ameren IL - \$0.20/W reduced.
LED Strip lighting	NR	4'-fixtures, 25W to 101W	Must be Design Lights Consortium (DLC) qualifying products list replacing T-8/T-12 fluorescent fixtures or new construction.	\$70	No	Custom review in 2015	AEP Ohio \$0.35 /watt reduced with controls, \$0.27 /watt reduced without; Rocky Mountain Power - No cents/kWh but Custom is \$0.15/kWh; Ameren IL - \$0.20/W reduced.

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Measure	What is being revised? (Efficiency, Incentive, requirement, other)	Revised Baseline	Revised Qualifying Efficiency	Revised Incentive	Revised Measure Requirement	Result of Federal/State Standard/Code Change	Reason for Change in PY 2016	Comments
						Yes or No		
Nonresidential Building Shell								
Building Shell - Windows	Eligibility Requirement	No change	No change	No change	Heating energy must be supplied by MidAmerican Energy Company	No	Program clarity	Rebate will continue to be prorated based on type of energy purchased from MEC - Both fuels 100%; split is 65% natural gas; 35% electric.
Heating & Cooling Equipment								
Electric Storage Water heater	Remove this measure	N/A	N/A	N/A	N/A	N/A	Code is at a point where very few commercially available unit will qualify for a rebate	
Natural Gas Storage Water heater - Small, >= 20 gal., <=75,000Btuh and <= 55 gallons	Baseline and qualifying efficiencies	Revise from EF = 0.59 to 0.67 minus (0.0019 * Volume in gallons) Energy Factor	Change from >=0.65 to >0.68 EF	No change	Revise from <=60 gallons to <=75,000 Btuh and <= 55 gallons	No	Bringing EE requirements up to code	
Natural Gas Storage Water heater - Large >75,000 and <= 155,000 Btuh and <4,000 Btuh/gal	Baseline and qualifying efficiencies	Revise from EF of 0.67 to .80 TE and Standby Loss:(Q/800+110* square root Volume in gallons)	Remains at >=0.825 TE	No change	Revise from >60 gallons to > 75,000 Btuh and <=155,000 Btuh and <4000 Btuh/gal	No	Bringing EE requirements up to code	
Natural Gas Tankless Water Heater, >75,000Btuh and <200,000Btuh, <4,000Btuh/gallon and < 2 gallon tank	Baseline and qualifying efficiencies	Revise from>60 gal and EF = 0.59 to EF = 0.525 based on a 50 gallon water heater	Remains at 0.82 EF	No change	Remain at >= 0.82 EF and >75,000Btuh and <200,000Btuh, >=4,000Btuh/gallon and < 2 gallon tank	No	Bringing EE requirements up to code	
Natural Gas Tankless Water Heater, >=200,000Btuh, >=4,000Btuh/gallon and < 10 gallon tank	Baseline and qualifying efficiencies	Revise from >60 gal and EF = 0 .59 to 0.80TE	Revise from 0.82 EF to 0.825 TE	\$250	Revise from >= 0.82 EF to 0.825TE and >=200,000Btuh, >=4,000Btuh/gallon and < 10 gallon tank	No	Bringing EE requirements up to code	
Packaged terminal air conditioners - New construction	Qualifying efficiencies		Three tiers are replaced with one tier with qualifying efficiency of >= 13.8 EER	No change	No change	No	Bringing EE requirements up to code	Expansion of existing measure to include both new construction and replacement units.
Packaged terminal air conditioners - Replacement units only	Qualifying efficiencies		Three tiers are replaced with one tier with qualifying efficiency of >= 10.9 EER	No change	No change	No	Bringing EE requirements up to code	Expansion of existing measure to include both new construction and replacement units.
Air Source Heat Pump	Qualifying Efficiency	No change	Eliminating SEER 14.0-14.9 and 8.0-8.4 HSPF. New Tiers, 15.0-15.9 and 16 and above. HSPF 8.50 - 8.9 and HSPF >=9.0	No Change	No change	No	Bringing EE requirements up to CEE Tier 1.	
Ductless Mini-Split Heat Pump	Qualifying Efficiency	No change	Eliminating SEER 14.0-14.9 and 8.0-8.1 HSPF. New Tiers, 15.0-15.9 and 16 and above. HSPF 8.2 - 8.9 and HSPF >=9.0	No Change	No change	No	Bringing EE requirements up to code	
Residential Equipment								
Natural Gas Furnace - Residential	Qualifying Efficiency	AFUE Baseline increased to 80 from 78	No change	No change	No change	Yes	Federal Standard change effective 11/19/2015	
Smart Thermostat- residential	Other	No change	No change	No change	Add measure attribute to track how many smart thermostats participate in the program. To date, there are 3 known smart thermostat models: Nest, Ecobee 3 and Honeywell Lyric	No		
Air Source Heat Pump	Qualifying Efficiency	No change	Eliminating SEER 14.0-14.9 and 8.0-8.4 HSPF. New Tiers, 15.0-15.9 and 16 and above. HSPF 8.50 - 8.9 and HSPF >=9.0	No Change	No change	No	Bringing EE requirements up to CEE Tier 1.	
Clothes Washer	Savings Algorithm	Replace with proposed TRM draft September 11, 2015, 2.1.1 Clothes Washer pp. 1-10.	Remove this measure	N/A	N/A	N/A	Removed clothes washer rebate. ENERGY STAR no longer using Modified Energy Factor (MEF)	

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Lighting								
LED troffer fixtures replacing fluorescents - 2' x 2' and 2' x 4'	Incentive and Qualifying requirements	No change	Allow hanging or pendant style troffer fixtures to be included as qualifying equipment. Qualifying 2' x 2' troffer changed from 23 watts or greater to 17.3 watts up to 42 watts; Qualifying 2' x 4' troffer changed from 31 watts or greater to 23.9 watts or greater up to 90 watts.	Reduced from \$100/\$125 to \$70 per fixture	Allows for hanging or pendant syle fixtures.	No	Pricing decline in the marketplace results in incentive level adjustment. Continue to evaluate the level of incentive needed to continue the market transformation to newer technology.	
LED troffer retrofit kits - 2' x 2' and 2' x 4'	Incentive and Qualifying requirements	No change	Allow hanging or pendant style retrofit kits to be included as qualifying equipment. Qualifying 2' x 2' kits changed from 22 watts or greater to 15.5 watts up to 40 watts; Qualifying 2' x 4' kits changed from 32 watts or greater to 21.1 watts or greater up to 67 watts.	Reduced from \$75/\$100 to \$50 per fixture	Allows for hanging or pendant syle fixtures using retrofit kits.	No	Pricing decline in the marketplace results in incentive level adjustment. Continue to evaluate the level of incentive needed to continue the market transformation to newer technology.	
Linear LED lamps, 4-foot	Incentive	No change	No change	Replacing T-12 reduced from \$30 to \$15 per lamp; Replacing T-8 reduced from \$25 to \$12.50 per lamp	No change	No	Pricing decline in the marketplace results in incentive level adjustment. Continue to evaluate the level of incentive needed to continue the market transformation to newer technology.	
T-8 linear fluorescent lamps	Measure requirement change	No change	No change	No change	8' T-12 or T-8 lamps can be replaced using two 4' T-8 fluorescent lamps or two 4' Linear LED lamps.	No	Program clarity.	
LED Fixtures - Interior and Exterior	Participation Requirement	No change	No change	No change	Add wall-mounted to the list of allowable outdoor/indoor fixture types.	No	Program clarity.	
Occupancy Sensors	Incentive and Qualifying Efficiency	No change	There will now be no minimum or maximum wattage per sensor. Allow all types of occupancy sensors, wall mounted, remote mounted or fixture mounted.	\$0.10 cents per watt controlled with cap 70% installed cost.	No change	No	Program clarity. We were missing opportunities for occupancy sensors in smaller applications due to wattage restrictions.	Some offices, conference or rest rooms have <400 watts of fluorescent or LED lighting and would not qualify for the present \$35 wall or ceiling mounted rebate. The watts controlled are coming from the application form.
Motors & Variable Speed Drives								
Variable Speed Drives	Participation Requirement	No change	No change	No change	Clarify that only centrifugal pumps, fans and blowers are eligible for a rebate.	No	Customer satisfaction improvement.	Iowa and Illinois TRM does not have a minimum hours of operation. The calculation uses input hours from the application.
Motors	Qualifying Efficiency	No change	1 - 500HP, open drip-proof or totally-enclosed fan cooled.	No change	Motor must be greater than NEMA Premium, NEMA Standards Publication MG 1 - 2006, Tables 12-12	No	Program clarity. CEE no longer supports or publishes a list of motors one NEMA band above NEMA Premium. Motor manufacturers have not submitted product to this list. As long as the efficiency is greater than NEMA Premium (Code), provide the rebate.	
HomeCheck								
HVAC Tune-Up coupon	Incentive	No change	No change	HVAC Tune-Up coupon will be eliminated from HomeCheck	No change	No	This promotion has not been effective with no trade allies redeeming the \$20 coupon	
A-19 LED	Incentive	No change	No change	2015 lighting direct install is up to 12 CFLs and 1 LED. Proposing to allow customer to choose up to 12 total lighting products, maximum 4 LEDs.	No change	No	Wider acceptance and improved technology for LED	Adding additional LEDs will increase total average cost by approximately \$40 (as determined by A-TEC).

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Upstream Lighting								
LED Specialty replacing CFL Specialty lamps; exception high wattage CFLs (≥30 watts)	Qualifying Efficiency	No change	No change	No change	No change	No	Lower prices, wider acceptance and improved technology for LED	Specialty LEDs generally perform better and outsell specialty CFLs.